

For the following device . . .	You must meet the following operating limit . . .	And you must demonstrate continuous compliance with the operating limit by . . .
8. Emission capture system that is not a PTE according to § 63.3544(a).	a. The average gas volumetric flow rate at a location upstream of the control device, or duct static pressure at a location upstream (i.e., vacuum side) of the primary fan in each duct of each capture device or upstream of the fan that is common to multiple capture devices in each 3-hour period must not fall below the average volumetric flow rate or above the duct static pressure limit established for that capture device in accordance with § 63.3546 or § 63.3556, as applicable.	i. Measuring the gas volumetric flow at a location upstream of the control device, or duct static pressure at a location upstream (i.e., vacuum side) of the primary fan in each duct of each capture device upstream or upstream of the fan that is common to multiple capture devices; and ii. Reducing the data collected each successive 15-minute period to 3-hour block averages according to § 63.3547(a)(1) and (2) or § 63.3557(a)(1) and (2), as applicable; and iii. Maintaining the 3-hour block average gas volumetric flow rate at a location upstream of the control device, or duct static pressure at a location upstream (i.e., vacuum side) of the primary fan in each duct of each capture device or upstream of the fan that is common to multiple capture devices at or above the average gas volumetric flow rate or below the duct static pressure limit established in accordance with the performance test described in § 63.3546(g).

[68 FR 64446, Nov. 13, 2003, as amended at 71 FR 1384, Jan. 6, 2006]

TABLE 5 TO SUBPART KKKK OF PART 63—APPLICABILITY OF GENERAL PROVISIONS TO SUBPART KKKK

You must comply with the applicable General Provisions requirements according to the following table:

Citation	Subject	Applicable to subpart KKKK	Explanation
§ 63.1(a)(1)–(4)	General Applicability	Yes.	Applicability to subpart KKKK is also specified in § 63.3481.
§ 63.1(a)(5)	[Reserved]	No.	
§ 63.1(a)(6)	Source Category Listing	Yes.	
§ 63.1(a)(7)–(9)	[Reserved]	No.	
§ 63.1(a)(10)–(12)	Timing and Overlap Clarifications	Yes.	
§ 63.1(b)(1)	Initial Applicability Determination	Yes	Area sources are not subject to subpart KKKK.
§ 63.1(b)(2)	[Reserved]	No.	
§ 63.1(b)(3)	Applicability Determination Recordkeeping	Yes.	
§ 63.1(c)(1)	Applicability after Standard Established	Yes.	
§ 63.1(c)(2)–(3)	Applicability of Permit Program for Area Sources	No	
§ 63.1(c)(4)–(5)	Extensions and Notifications	Yes.	Additional definitions are specified in § 63.3561.
§ 63.1(e)	Applicability of Permit Program before Relevant Standard is Set.	Yes.	
§ 63.2	Definitions	Yes	
§ 63.3(a)–(c)	Units and Abbreviations	Yes.	
§ 63.4(a)(1)–(5)	Prohibited Activities	Yes.	
§ 63.4(b)–(c)	Circumvention/Fragmentation	Yes.	Section 63.3483 specifies the compliance dates.
§ 63.5(a)	Construction/Reconstruction	Yes.	
§ 63.5(b)(1)–(6)	Requirements for Existing, Newly Constructed, and Reconstructed Sources.	Yes.	
§ 63.5(d)	Application for Approval of Construction/Reconstruction.	Yes.	
§ 63.5(e)	Approval of Construction/Reconstruction	Yes.	
§ 63.5(f)	Approval of Construction/Reconstruction Based on Prior State Review.	Yes.	Section 63.3483 specifies the compliance dates.
§ 63.6(a)	Compliance with Standards and Maintenance Requirements—Applicability.	Yes.	
§ 63.6(b)(1)–(7)	Compliance Dates for New and Reconstructed Sources.	Yes	
§ 63.6(c)(1)–(5)	Compliance Dates for Existing Sources	Yes	

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Citation	Subject	Applicable to subpart KKKK	Explanation
§ 63.6(e)(1)–(2)	Operation and Maintenance	Yes.	Only sources using an add-on control device to comply with the standard must complete SSMP.
§ 63.6(e)(3)	SSMP	Yes	
§ 63.6(f)(1)	Compliance Except during Startup, Shutdown, and Malfunction.	Yes	Applies only to sources using an add-on control device to comply with the standards.
§ 63.6(f)(2)–(3)	Methods for Determining Compliance	Yes.	Subpart KKKK does not establish opacity standards and does not require continuous opacity monitoring systems (COMS).
§ 63.6(g)(1)–(3)	Use of an Alternative Standard	Yes.	
§ 63.6(h)	Compliance with Opacity/Visible Emission Standards.	No	
§ 63.6(i)(1)–(14)	Extension of Compliance	Yes.	
§ 63.6(i)(15)	[Reserved]	No.	Applies to all affected sources. Additional requirements for performance testing are specified in §§ 63.3543, 63.3544, 63.3545, 63.3554, and 63.3555.
§ 63.6(i)(16)	Compliance Extensions and Administrator's Authority.	Yes.	
§ 63.6(j)	Presidential Compliance Exemption	Yes.	
§ 63.7(a)(1)	Performance Test Requirements—Applicability	Yes	Applies only to performance tests for capture system and control device efficiency at sources using these to comply with the standards. Sections 63.3540 and 63.3550 specify the schedule for performance test requirements that are earlier than those specified in § 63.7(a)(2).
§ 63.7(a)(2)	Performance Test Requirements—Dates	Yes	
§ 63.7(a)(3)	Performance Tests Required by the Administrator ...	Yes.	Applies only to performance tests for capture system and add-on control device efficiency at sources using these to comply with the standards.
§ 63.7(b)–(e)	Performance Test Requirements—Notification, Quality Assurance, Facilities Necessary for Safe Testing, Conditions During Test.	Yes	
§ 63.7(f)	Performance Test Requirements—Use of Alternative Test Method.	Yes	Applies to all test methods except those used to determine capture system efficiency.
§ 63.7(g)–(h)	Performance Test Requirements—Data Analysis, Recordkeeping, Reporting, Waiver of Test.	Yes	Applies only to performance tests for capture system and add-on control device efficiency at sources using these to comply with the standards.
§ 63.8(a)(1)–(3)	Monitoring Requirements—Applicability	Yes	Applies only to monitoring of capture system and add-on control device efficiency at sources using these to comply with the standards. Additional requirements for monitoring are specified in §§ 63.3547 and 63.3557.
§ 63.8(a)(4)	Additional Monitoring Requirements	No	Subpart KKKK does not have monitoring requirements for flares.
§ 63.8(b)	Conduct of Monitoring	Yes.	Applies only to monitoring of capture system and add-on control device efficiency at sources using these to comply with the standards. Additional requirements for CMS operations and maintenance are specified in §§ 63.3547 and 63.3557.
§ 63.8(c)(1)–(3)	Continuous Monitoring System (CMS) Operation and Maintenance.	Yes	
§ 63.8(c)(4)	CMS	No	Sections 63.3547 and 63.3557 specify the requirements for the operation of CMS for capture systems and add-on control devices at sources using these to comply.
§ 63.8(c)(5)	COMS	No	Subpart KKKK does not have opacity or visible emission standards.

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Citation	Subject	Applicable to subpart KKKK	Explanation
§ 63.8(c)(6)	CMS Requirements	No	Sections 63.3547 and 63.3557 specify the requirements for monitoring systems for capture systems and add-on control devices at sources using these to comply.
§ 63.8(c)(7)	CMS Out-of-Control Periods	Yes.	
§ 63.8(c)(8)	CMS Out-of-Control Periods Reporting	No	Section 63.3511 requires reporting of CMS out of control periods.
§ 63.8(d)–(e)	Quality Control Program and CMS Performance Evaluation.	No.	
§ 63.8(f)(1)–(5)	Use of an Alternative Monitoring Method	Yes.	
§ 63.8(f)(6)	Alternative to Relative Accuracy Test	No.	
§ 63.8(g)(1)–(5)	Data Reduction	No	Sections 63.3542, 63.3547, 63.3552 and 63.3557 specify monitoring data reduction.
§ 63.9(a)	Notification Applicability	Yes.	
§ 63.9(b)(1)–(2)	Initial Notifications	Yes.	
§ 63.9(b)(3)	[Reserved]	No.	
§ 63.9(b)(4)–(5)	Application for Approval of Construction or Reconstruction.	Yes.	
§ 63.9(c)	Request for Extension of Compliance	Yes.	
§ 63.9(d)	Special Compliance Requirement Notification	Yes.	
§ 63.9(e)	Notification of Performance Test	Yes	Applies only to capture system and add-on control device performance tests at sources using these to comply with the standards.
§ 63.9(f)	Notification of Visible Emissions/Opacity Test	No	Subpart KKKK does not have opacity or visible emission standards.
§ 63.9(g)(1)–(3)	Additional Notifications When Using CMS	No.	
§ 63.9(h)(1)–(3)	Notification of Compliance Status	Yes	Section 63.3510 specifies the dates for submitting the notification of compliance status.
§ 63.9(h)(4)	[Reserved]	No.	
§ 63.9(h)(5)–(6)	Clarifications	Yes.	
§ 63.9(i)	Adjustment of Submittal Deadlines	Yes.	
§ 63.9(j)	Change in Previous Information	Yes.	
§ 63.10(a)	Recordkeeping/Reporting—Applicability and General Information.	Yes.	
§ 63.10(b)(1)	General Recordkeeping Requirements	Yes	Additional requirements are specified in §§ 63.3512 and 63.3513.
§ 63.10(b)(2) (i)–(v) ...	Recordkeeping Relevant to Startup, Shutdown, and Malfunction Periods and CMS.	Yes	Requirements for Startup, Shutdown, and Malfunction records only apply to add-on control devices used to comply with the standards.
§ 63.10(b)(2) (vi)–(xi)	Records	Yes.	
§ 63.10(b)(2) (xii)	Records	Yes.	
§ 63.10(b)(2) (xiii)	Records	No.	
§ 63.10(b)(2) (xiv)	Records	Yes.	
§ 63.10(b)(3)	Recordkeeping Requirements for Applicability Determinations.	Yes.	
§ 63.10(c)(1)	Additional Recordkeeping Requirements for Sources with CMS.	Yes.	
§ 63.10(c)(2)–(4)	[Reserved]	No.	
§ 63.10(c)(5)–(6)	Records	Yes.	
§ 63.10(c)(7)–(8)	Records	No	The same records are required in § 63.3511(a)(7).
§ 63.10(c)(9)	[Reserved]	No.	
§ 63.10(c)(10)–(15) ...	Records	Yes.	
§ 63.10(d)(1)	General Reporting Requirements	Yes	Additional requirements are specified in § 63.3511.
§ 63.10(d)(2)	Report of Performance Test Results	Yes	Additional requirements are specified in § 63.3511(b).
§ 63.10(d)(3)	Reporting Opacity or Visible Emissions Observations.	No	Subpart KKKK does not require opacity or visible emissions observations.
§ 63.10(d)(4)	Progress Reports for Sources with Compliance Extensions.	Yes.	
§ 63.10(d)(5)	Startup, Shutdown, Malfunction Reports	Yes	Applies only to and add-on control devices at sources using these to comply with the standards.
§ 63.10(e)(1)–(2)	Additional CMS Reports	No.	

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Citation	Subject	Applicable to subpart KKKK	Explanation
§ 63.10(e)(3)	Excess Emissions/CMS Performance Reports	No	Section 63.3511(b) specifies the contents of periodic compliance reports.
§ 63.10(e)(4)	COMS Data Reports	No	
§ 63.10(f)	Recordkeeping/Reporting Waiver	Yes.	Subpart KKKK does not specify requirements for opacity or COMS.
§ 63.11	Control Device Requirements/Flares	No	
§ 63.12	State Authority and Delegations	Yes.	
§ 63.13	Addresses	Yes.	
§ 63.14	Incorporation by Reference	Yes.	Subpart KKKK does not specify use of flares for compliance.
§ 63.15	Availability of Information/Confidentiality	Yes.	

TABLE 6 TO SUBPART KKKK OF PART 63—DEFAULT ORGANIC HAP MASS FRACTION FOR SOLVENTS AND SOLVENT BLENDS

You may use the mass fraction values in the following table for solvent blends for which you do not have test data or manufacturer's formulation data.

Solvent/solvent blend	CAS. No.	Average organic HAP mass fraction	Typical organic HAP, percent by mass
1. Toluene	108-88-3	1.0	Toluene.
2. Xylene(s)	1330-20-7	1.0	Xylenes, ethylbenzene.
3. Hexane	110-54-3	0.5	n-hexane.
4. n-Hexane	110-54-3	1.0	n-hexane.
5. Ethylbenzene	100-41-4	1.0	Ethylbenzene.
6. Aliphatic 140		0	None.
7. Aromatic 100		0.02	1% Xylene, 1% cumene.
8. Aromatic 150		0.09	Naphthalene.
9. Aromatic naphtha	64742-95-6	0.02	1% Xylene, 1% cumene.
10. Aromatic solvent	64742-94-5	0.1	Naphthalene.
11. Exempt mineral spirits	8032-32-4	0	None.
12. Lignoines (VM & P)	8032-32-4	0	None.
13. Lactol spirits	64742-89-6	0.15	Toluene.
14. Low aromatic white spirit	64742-82-1	0	None.
15. Mineral spirits	64742-88-7	0.01	Xylenes.
16. Hydrotreated naphtha	64742-48-9	0	None.
17. Hydrotreated light distillate	64742-47-8	0.001	Toluene.
18. Stoddard solvent	8052-41-3	0.01	Xylenes.
19. Super high-flash naphtha	64742-95-6	0.05	Xylenes.
20. Varsol [®] solvent	8052-49-3	0.01	0.5% Xylenes, 0.5% ethylbenzene.
21. VM & P naphtha	64742-89-8	0.06	3% Toluene, 3% xylene.
22. Petroleum distillate mixture	68477-31-6	0.08	4% Naphthalene, 4% biphenyl.

TABLE 7 TO SUBPART KKKK OF PART 63—DEFAULT ORGANIC HAP MASS FRACTION FOR PETROLEUM SOLVENT GROUPS ^A

You may use the mass fraction values in the following table for solvent blends for which you do not have test data or manufacturer's formulation data.

Solvent type	Average organic HAP mass fraction	Typical organic HAP, percent by mass
Aliphatic ^b	0.03	1% Xylene, 1% toluene, and 1% ethylbenzene.
Aromatic ^c	0.06	4% Xylene, 1% toluene, and 1% ethylbenzene.

^A Use this table only if the solvent blend does not match any of the solvent blends in Table 6 to this subpart and you only know whether the blend is aliphatic or aromatic.

^b E.g., Mineral Spirits 135, Mineral Spirits 150 EC, Naphtha, Mixed Hydrocarbon, Aliphatic Hydrocarbon, Aliphatic Naphtha, Naphthol Spirits, Petroleum Spirits, Petroleum Oil, Petroleum Naphtha, Solvent Naphtha, Solvent Blend.

^c E.g., Medium-flash Naphtha, High-flash Naphtha, Aromatic Naphtha, Light Aromatic Naphtha, Light Aromatic Hydrocarbons, Aromatic Hydrocarbons, Light Aromatic Solvent.